

AGRICULTURAL.

The Secret of Good Plowing.

It is not always the best looking plow that will do the best work. A plow constructed like a gouge that slides under the turf and inverts it without breaking it, looks well, but, for the production of the crop it prepares the land badly. Many of the plows now on the market are constructed so as to bring the least draught upon the team, and this by many is considered the perfection of the plow—the least draught for a given depth. But may we not be laboring under a mistake in this? The object in plowing is to invert and pulverize the soil and prepare it for a crop. Plowing may be so performed as to invert the soil without breaking it except in the line of the furrow slice.

It is evident that if a crop be planted upon land so turned, the roots of the plant will have to contend with large unbroken blocks of soil, so hard, indeed, that in many instances, the roots cannot penetrate the clods of dirt.

A case has been brought to our attention which occurred on the farm of Mr. James Ferguson of Todd county, Ky. He started two plows in a field designed for corn last spring. One plow was of chilled iron with a gouge-shaped mould-board, was started on one side of the field and a steel plow with an abrupt mould-board was started on the other. The first turned over the soil beautifully but did not pulverize the soil. The draft was light, and two horses carried it with ease. The second pulled much harder, owing to the sharpness of the mould-board, and the perpendicular resistance which it made to the furrow slice. But it pulverized the soil thoroughly. Corn was planted at the same time on land broken by both plows. When that on the land broken by the chilled plow was 18 inches high, upon that land broken by the steel plow, with an abrupt mould-board, was 30 inches high. The first was yellow and stunted. The second was a picture of luxuriant and abundant vitality. It was estimated that the field broken with the steel plow would make at least a third more corn than that with the light draught plow, though the crop on the latter had two more plowings.—Exchange.

How to Make Hens Lay.

How I make fowls lay. Take eight quarts of water and two teaspoonsful of red pepper, and put in a kettle when the water boils stir in enough bran and corn meal to thicken it, and take some horse-radish, chop it up fine, and put in with the root and let it boil an hour. We hear a good deal of complaint from other people about not getting eggs, so I ask them to try this and feed once a day; about one handful of this feed to one hen, and they will get plenty of eggs. Charcoal is good for poultry, in corn and bran, and charred on the ear, so as to keep its shape; is excellent. It must be mixed up in soft feed, and to get a yellow yolk I will tell you, young and old breeders, take red beets, cook them for your fowls and feed them, and in two days you can see the change; the yolk will be as yellow as gold, and one of the most important things in feeding fowls, yet too often neglected, is a supply of good, pure drinking water, and a fowl drinks every ten or fifteen minutes, especially in hot weather. Impure water is one of the worst sources of disease. Cholera, for instance, is in all probability often due to the drinking of water that is not pure. Snow water will reduce flesh as rapidly as a sharp attack of diarrhoea. The best thing to have a stream of running water. A few rusty nails in water is good, or a few drops of the tincture of iron every other day. The vessels must be kept clean, and water should be warmed in winter for fowls, as it is better, as it does not chill them. This I have tried and found it is far the best, and your hens will winter. Fowls should be kept dry in winter.

Importance of Gardens.

No part of the farm can make greater returns for the labor and other expenditures than the vegetable and the fruit garden. If we inquire into the cause of their neglect, we shall find, in many cases, that their importance is measurably comprehended, and the want of them is felt, but the labor and attention they require are somewhat different from that of the farm crops, and, also, the garden interloper, to some extent, when the farm work when it is not properly planned and managed, as for the most part it might be, so as to cause little or no inconvenience in the performance of the regular work. And for this purpose we now ask our country readers who are directly interested to give the necessary thought for the preparation of a good garden. What shall the garden consist of? How and when shall it be prepared? Who shall have the direct supervision of it? These and other questions can be considered and decided upon, and when the time of action comes there need be no delay.

Cultivated land parts with its fertility in two ways; the plant food is either absorbed by rains, or it is removed in the crop. The first is a real loss, and depends upon mechanical and other conditions of the soil. A light soil is sometimes called "leachy" from its lack of power of retention of soluble plant food. Other things remaining equal, a field loses less of its fertility when it bears a growing crop. As the food elements are liberated from their combinations by chemical action in the soil, the growing plants absorb them through their roots. Any mechanical change that can be produced in "leachy" land to make it more retentive will increase its value. Manures, and especially any very soluble fertilizers, as nitrate of soda, should be applied frequently and in small quantities to such soils. The fertility that a field parts with through the growth of a crop is a real loss only when its equivalent is not returned.

HOBBS' MANGER.—All the refuse dust and unclean hay should be cleaned from horses' mangers every morning. The cows will pick it over and eat whatever is of value, but it is very offensive to horses. If clover hay is fed to horses there will be a great deal of dust from it, and this in the manger is often a cause of heaves.

Dr. Cabell, of Cabell Warehouse, Danville, a man who has grown gray in the cultivation of tobacco, says the weed should be set out between the 10th of May and 10th of June each year.

An old farmer says that he has had remarkable success in corn raising by simply selecting the seed corn grains from the middle of the ear.

Let the farmer forever be honored in his calling, for they who labor in the earth are the chosen people of God.

The Benefits of Grass and Clover.

More grass and clover means more live stock, more manure, more fertility and bigger crops. It means less labor to be employed, fewer implements of farming, fewer teams, less toil, less anxiety and vexation, and less risk. It means something to sell every month and every week—milk, butter, eggs, wool, hides, tallow, breeding stock, and all the ceteras resulting from stock culture. It means too that the fertility of the farm is kept at home; it is not sold off in the crops, but put in concentrated forms that abstract little richness from the farm. Grass is the key-note to general farming. One may grow cotton on every acre of the farm, do it within market price and make money—he may raise wheat, or tobacco exclusively, if he likes, and succeed in making money on his special crop. But no one can be a successful general farmer, or farm so economically without grass and clover, as he can with it. It comes nearer standing on its own bottom than any other branch of farming.

The time has come for sowing grass and clover seed. Those who have tried grass will not be likely to want to get rid of it. Those who have none are admonished not to let the time pass without sowing some of both for pasture and hay. Sow it for the pigs and poultry, for the milch cows and work teams, for the sheep and the goat. For every acre of corn, cotton, or tobacco, put in one of grass or clover.

Put your farm on a grass basis, grass and live stock, do less with plow and hoe, and you will make money and succeed better than you have ever done or ever can do without it.—Petersburg Messenger.

Corn Cultivation.

One of the conclusions reached by Dr. Lazenby, director of the Ohio experiment station as the result of two years' experiments is that deep cultivation should come before planting rather than after, and that the after culture should be more and more shallow as the corn increases in size and the roots more completely fill the soil. This fully accords with our experience and teaching. We have found deep culture late in the season (tried as an experiment) to cause the corn to so drop that it did not recover visibly from its effects for a week. The barrow is the implement for use in the corn field from planting till six inches high. The cultivator can then be run deep if desired once or twice. But all subsequent cultivation should only stir the surface without matting the roots. This is especially true in a dry season.

It is not so much what a bushel of corn may be worth on the farm as what it may contribute that is important. When converted into beef, butter, lard or pork it is not only more easily transported but also more readily salable. In the conversion of corn into concentrated or higher priced products, manure matter is left on the farm, instead of being carried entirely away, as would be the case if the corn were sold in its grain form.

A farmer would sooner think of shaving with a dull razor than ploughing with a dull share. The man who realizes how much more effectively he can work when his axe has a keen edge and when his saw is well filed, ought to realize what an instrument of horse torture a dull share must be.

Fresh Garden Seeds.

At Wilder's Drug Store.
A full assortment of the best varieties of Garden Seeds can be found at Wilder's Drug Store, corner of Trade and College streets.
Feb. 12, 1886.

GARDEN SEEDS.

THOS. REESE & CO. Druggists, next to the First National Bank building, have just received a supply of Buist's Fresh Garden Seeds of all varieties.
Call and supply yourself with the earliest and best sorts.
Feb. 5, 1886.

GARDEN SEEDS.

A full stock of BUIST'S WARRANTED GARDEN SEEDS at
W. M. WILSON & CO'S.
Feb. 12, 1886.

Averill Ready-Mixed Paints, best in use. Any one can use them.
W. M. WILSON & CO'S.
Sole Agents.
Feb. 12, 1886.

White-Wash Brushes, Paint Brushes, Shoe Brushes and Kalsomine Brushes at
W. M. WILSON & CO'S.
Feb. 12, 1886.

SEEDS.

In addition to the regular full line of BUIST'S GARDEN SEED usually carried by us, we have all the new varieties offered for 1886, among which the following are the choicest:
Jordan's Gray Monarch Watermelon, the largest variety known—has been grown to weigh over ninety pounds—sweet and delicious flavor.
The Kobb Gem Watermelon is also very fine.
The Bella Tomato—weight 1½ lbs.
Tuscarora Corn (white)—ears 8 to 10 inches long.
Golden Dent Corn, in bulk and ears.
Beet and Spinach Seed in bulk.
Grandstanding Cabbage and Celery.
A full stock of FLOWER SEEDS.
Feb. 12, 1886.

R. H. JORDAN & CO.,
Savannah, Ga.
R. H. JORDAN & CO.,
Savannah, Ga.

SPRINGS & BURWELL,
Dealers in
Groceries, Provisions and Fertilizers.

Thanking the farmers of this section for their generous patronage during the past year, we respectfully solicit a continuance of the same. We hope by fair dealing and reasonable prices to deserve it. We are at our new Store on the corner of 4th and College streets, and it is our intention to make our Store in the future, as it has been in the past.

Headquarters for Farmers.
We have now in store a full stock of Groceries, Provisions, Clover Seed, Orchard Grass, Farmer's Friend Plows, etc., on all of which we are prepared to give you lowest market prices.

We ask your special attention to our facilities for furnishing you with
RELIABLE FERTILIZERS.
At our large Warehouse, conveniently located, we will at all times have a large stock ready for this market:

THE ETIWAN DISSOLVED BONE,
THE ETIWAN GUANO,
THE STONIC ACID PHOSPHATE,
THE FARMER'S FRIEND GUANO.

The goods of the Etewan and Stonic Companies are known to be reliable, and are admitted to have few equals and no superiors.
We have now in store 100 TONS GERMAN KAINIT, which we know to be pure.
We are wide awake and will be glad to serve you. Call and see us.

SPRINGS & BURWELL,
Corner 4th and College streets,
Feb. 12, 1886.

Let the farmer forever be honored in his calling, for they who labor in the earth are the chosen people of God.

Clover Seed.—Some of the farmers are sowing over Mr. Nath. Neely's success at raising clover seed. Fifty bushels on three acres is quite a raise. Our esteemed fellow citizen, Mack Harrison, Esq., says four bushels to the acre is a big crop. He has raised from 60 to 70 bushels a year but has had no greater average than four bushels to the acre.—Salem Watchman.

HARDWARE! HARDWARE!!
New Stock, Low Prices.

We are rapidly filling our large and handsome New Store with New Goods to replace Stock destroyed by the fall of our building 14th May last.

The Merchants of the surrounding country have only to give us a trial to be convinced that we are selling Hardware as low as any house in the State.
HAMMOND & JUSTICE.
Oct. 9, 1885.

Rubber and Leather Belting.
Just received, a large lot of Rubber Belting of all sizes. We warrant every foot we sell and guarantee our prices against any house south of Baltimore.

HAMMOND & JUSTICE.
Oct. 9, 1885.

ROSS & ADAMS
(Successors to Tiddy & Bro.)

Invite orders for SCHOOL MISCELLANEOUS and STANDARD

Books,
And all kinds of Staple Stationery and School Supplies.

Writing Paper.
LETTER, NOTE, AND OTHER SIZES

Blank Books
Of all grades. Envelopes of all size, color and quality. Full line Acme Writing Pads and Tablets.

School Slates, best quality, all sizes. Slate and Lead Pencils. Pens, Ink, Mucilage, &c

ROSS & ADAMS,
Next to First National Bank,
Charlotte, N. C.

HEADQUARTERS FOR
Pure Bone Fertilizers.

I have made arrangements by which I am now prepared to furnish the Farmers of this section with

BAUGH'S
Pure Raw Bone Meal

AND
No. 1 Fine Ground Bone,

Made from soft Bones, at prices only a very little in excess of the present prices of manipulated Phosphates.

This being the case, we may well ask why should Farmers continue to use Mineral Guanos when they can buy Bone Manure which will make as good crops and permanently improve the soil?

We give full guarantee as to purity and analysis, and have fixed our prices so low that there is no longer any excuse for not using animal Bone.

Call and see samples and leave your orders.
JAMES F. JOHNSTON,
College Street, Charlotte, N. C.
Jan. 8, 1886.

DISSOLUTION.
The firm of A. HALE & SON was dissolved on the 1st day of February, 1886, by mutual consent. A. Hales retiring. The business will be continued at the old stand on Trade street by J. H. Hales and J. S. Boyne, under the firm name of HALE & BOYNE.
A. HALE,
J. H. HALE,
Feb. 5, 1886.

Notice.
In retiring from the jewelry business, I desire to express my thanks for the liberal patronage I have received at the hands of many customers. I have been in the jewelry business in Charlotte for many years and have endeavored to please my customers. My confidence in the quality of the goods I have sold, and the large measure of success I have achieved, the young gentlemen who succeed me—one of whom is my son and a fine watch-maker—I desire to recommend to the people as in every way worthy of the public patronage.

Very respectfully,
A. HALE.

Partnership Notice.
We have this day formed a partnership under the firm name and style of HALE & BOYNE to succeed the old firm of A. Hales & Son in the jewelry business. We will occupy the same stand on West Trade street, opposite Wittkowsky & Baruch. By strict attention to business, honesty, and fair dealing and promptness in our obligations, we hope to merit a continuance of the patronage bestowed on the old firm of A. Hales & Son. Very respectfully,
HALES & BOYNE.
Feb. 5, 1886.

PIONEER CHINA STORE,
Established in 1857.

JAMES HARTY
HAS received a splendid stock of Haviland & Co's. best WHITE AND GOLD BAND China Tea and Dinner Sets.

Also, Fancy Mottos, cups and Saucers, Mustache Cups, Shaving Mugs, Vases, &c.
White Semi-Porcelain and Decorated Dinner Sets, square or oval shape; Decorated Chamber Sets in great variety.
A large assortment of Fancy Decorated Vases, Epergnes, Tooth Pick Stands, Celery Stands, &c. Also,
Feb. 5, 1886.

Silver-Plated Ware,
Best quality; Castors, Napkin Rings, Berly Bowls, Molasses Mugs, Pickle Cans, Knives, Forks and Spoons.

BASKETS of all kinds, Work Stands, Lamps, Brooms, Buckets, Tubs, Cans, Pastry Boards, Rolling Pins, Dough Trays and Bowls, Butter Prints, &c. A general assortment of

House-Keeping Goods,
Which will be sold low for cash. Call and see
JAMES HARTY,
Nov. 6, 1885.

Tin - Ware, Stoves, &c.
A. A. GASTON

Has again begun business at his Old Stand under the Central Hotel, Trade Street.
He asks a share of patronage from the public.
Please give me a call for such things as you may want in my line

A. A. GASTON,
Charlotte

First National Bank of Charlotte,
CHARLOTTE, N. C.

Paid Up Capital \$400,000.

OFFICERS.
R. Y. McAden, President. M. P. Pegram, Cashier.
John P. Orr, Treas.; A. Graham and A. Brady, Clerks.

BOARD OF DIRECTORS.
R. Y. McAden, J. L. Brown, Wm. R. Myers, R. M. Oates, S. B. Alexander, S. A. Cohen, R. Barringer.

Deals in Bills of Exchange, Sight Drafts, Gold and Silver Coins, and Government and other Securities.
Jan. 1, 1886.

Prepared by the LONDON SAL-MUSCATELLE Co., London, England.

Beware of imitations. The genuine in "blue wrappers only."
Send for circulars to G. EVANSON, General American Manager, P. O. Box 1963, New York City. [Mention this paper.]

AGENTS—R. H. JORDAN & CO. and L. R. WILSON, Druggists and Chemists, Charlotte, N. C.
Feb. 1, 1886.

Pure Reliable Drugs
At WILDER'S Drug Store.

An assortment not to be excelled in quality and prices anywhere.
In fact everything kept in a first class Drug Store can be found in this establishment. Give us a call.

H. M. WILDER,
Cor. Trade and College Sts., Charlotte, N. C.
July 10, 1885.

E. D. LATTA & BROTHER,
CHARLOTTE, N. C.

We have gone through the season without a murmur. No "offerings" of "low prices," "goods at cost," etc., as has been so prevalent in the market, because the time had not come. We have gone along selling at a legitimate profit and our business has been satisfactory, for people know that they were getting goods as low as

Reliable Clothing
Could be sold, during a season when men do business for a reasonable gain. We are now satisfied, finding

OUR OVERCOAT STOCK
Lower in number of garments than at any corresponding period within six years, and as the time has arrived for reducing stock, we shall make an effort to

CLOSE OUT ENTIRELY
Our Overcoats—every single one, if possible, and we will make prices that will prove an investment for any man to buy a top coat and hold it for next season. As we have been selling at regular prices against a market "at cost" the entire season, our action now is

A Heavy Reduction in Our Prices
Will, upon examination, be a pronounced argument to the buyer. We mean exactly, that we, have made

An Enormous Cut,
And that at no time since our sale in January 1884, could an Overcoat be so cheaply secured as at this sale, which will be remembered in the history of the

Clothing Trade of Charlotte.
We are sorry for our out of town customers, but if they can't attend this sale in person, we will fill orders on approval by express.

E. D. LATTA & BRO.,
Jan. 15, 1886.

MR. QUERY
TO THE FRONT AGAIN.

New Start in the Old Business,
WITH A
Large and Fine Stock

OF
NEW MILLINERY GOODS.

Having closed out the business of Mrs. P. QUERY, I am now receiving an entirely new, large, attractive and complete stock of FINE MILLINERY and FANCY GOODS, which I calculate to have ready for exhibition on Monday, April 18th, when I extend a cordial invitation to all, and trust that I shall be favored with a continuation of the generous patronage for so many years bestowed upon the firm of Mrs. P. Query.

I will endeavor to continue to deserve the good will of the public by conducting my business in the most liberal spirit known in the retail trade.

My calculations for success are based on a system of offering more but goods that combine the merits of excellence, durability and good taste positively at lower prices than sold elsewhere for same quality. Selling strictly at one price

FOR CASH ONLY!
Strict reliability, constant efforts to please the demands of the Ladies, honest opinion (backed by long experience) given to every patron in regard to qualities, styles, colors, etc., suitable for any purpose they may wish to use them, and unalterable truth in the recommendations of the merits and value of our Goods. Ladies considering their purse and appearance will make a mistake if they make their purchases before calling to see me.

C. M. Query,
At the Old Stand near the Court House.
April 10, 1885.

THE GRAPE CURE.
SAL-MUSCATELLE
In America

WITHOUT THE EXPENSE OF AN EUROPEAN JOURNEY!
The crystallized salts, as obtained in a pure state from grapes and choice fruit, in a portable, palatable simple form, are now presented to the public of America as the grandest solvent of impure blood, corrector of the liver and regulator of the bowels—the natural promoter of

Health and Longevity.

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

Sal-Muscatele
A Positive, Natural

BURGESS NICHOLS,
Wholesale and Retail Dealer in

FURNITURE, BEDDING, &c.

I have now in Store a well selected stock embracing everything found in a

First-class Furniture Store,
Such as Bedroom and Parlor Sets, Lounges, Tete-Tete, Whatnots, Marble and Wood Top Tables, Dining Tables, Washstands, Bureaus, Wardrobes, Book Cases, &c.

CHAIRS of all kinds and cheap Bedsteads at prices to suit the times.

Respectfully solicit a share of patronage

ALSO,
COFFINS of all grades kept on hand ready made.

No. 5 West Trade Street,
Charlotte, N. C.

GLASS.
We have received a large and complete stock of Window Glass, large and small sizes, single and double thick.

R. H. JORDAN & CO.,
Savannah, Ga.

FIRE AND LIFE
INSURANCE AGENCY,
Established in 1854.

NOW REPRESENTING
ROYAL LONDON & LANCASTER English Companies, LION.

"Georgia Home,"
Virginia, Fire and M.

"Niagara," Rochester German.
"Insurance Company of North America."

E. NYE HUTCHISON,
AGENT,
Office Springs corner, Trade and Tryon streets,
Up-Stairs.
Charlotte, N. C.

DRESS-MAKING.
Having secured the services of a stylish and competent Dress-Maker from the North, I would respectfully announce that I will be prepared to take in work by the 20th of this month. A liberal share of the public patronage solicited. Satisfaction in work guaranteed.

Special attention given to orders for outfits from a distance.
T. L. SEIGLE.
Sept. 18, 1885.

A. R. & W. B. NISBET,
Wholesale and Retail

Grocers and Confectioners,
DEALERS IN

Tobacco, Cigars, Musical Instruments, &c.
CHARLOTTE, N. C.

The best stock of Groceries, Confectioneries, Prize Candies, Toys, Musical Instruments, Cigars, Tobacco, Cigars, Snuff, Wooden Ware, Paper Bags, Canned Goods, Glass Jellies, Crackers, Powder, Shot, Salt, &c., in the city, will be found at our

Wholesale and Retail Store.
Call and see us before buying.

A. R. & W. B. NISBET

CARRIAGE AND BUGGY
REPOSITORY.

A. C. HUTCHISON & CO.
(Next door to Wadsworth's Stables).
Charlotte, N. C.

Keep fine CARRIAGES, BUGGIES, WAGONS, and CARTS, at retail and wholesale.

Please call and examine the work and style of these elegant Vehicles.

Carrriages and Buggies REPAIRED and BUILT to order.

Horses shod in first-class style at Wilkinson's old stand, below Wadsworth's stables.

May 1, 1885.

Cortland Spring Wagons
For sale at Cost by
J. C. HUTCHISON & CO.
July 3, 1885.

HAPPY NEW YEAR.
1886.

Do you hear a big noisy way for good people